

THE MURDOCK

Pure Air Ventilating Grate

IN calling public attention to our Pure Air Ventilating Grate, we desire to speak of a few essential points found in no similar grate. Knowing the deficiencies in grates of this kind, we did not feel like placing one on the market until we had overcome these, and produced a grate that would give the room continuous and absolutely pure, fresh air, from out of doors, and be POSITIVELY heated.

This we can do, and guarantee. In admitting the cold air, we do not allow it to rush past the fire-box, and not be properly heated. By a series of patent shelves, we check, hold, and force this air against the quickly heated heavy iron lining, from whence it is conveyed to the chamber above, or into the room below, as may be required.

The extra heat which is thus utilized is lost in the common grate, and exceeds that from a 10x14 inch register of the best furnace.

A hard-coal fire can be maintained without trouble, by means of a sliding damper in the ash guard. It is suited to any kind of fuel.

Call and see it in operation to verify this statement.

MURDOCK PARLOR GRATE CO.,

18 Beacon Street, Boston, Mass.

PURE AIR VENTILATING GRATE.

FLEUR-DE-LIS.



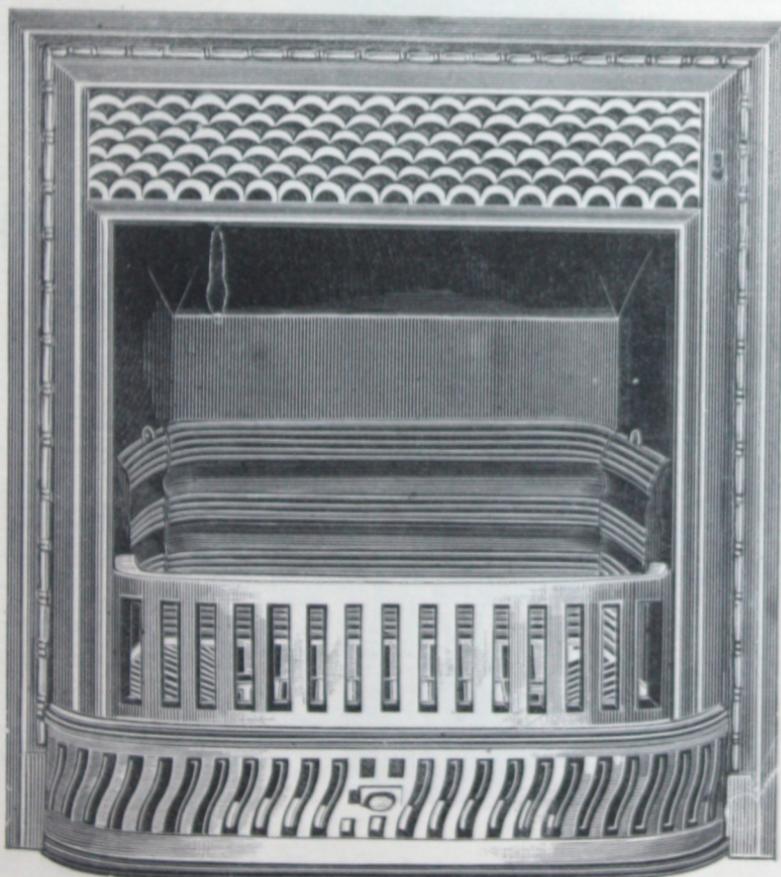
PATENT APPLIED FOR.

Size, $30\frac{1}{4}$ inches wide, $32\frac{1}{2}$ inches high.

No. 621—Berlin Black,	\$40.00
" 622—Cast Brass, Antique Finish,	75.00
" 623—Cast Bronze,	80.00
" 624—Copper, Plated,	55.00
" 625—Brass, Plated,	55.00

For heating two rooms, \$10.00 extra.

PURE AIR VENTILATING GRATE.



PATENT APPLIED FOR.

Size, 30 $\frac{1}{4}$ inches wide, 32 $\frac{7}{8}$ inches high.

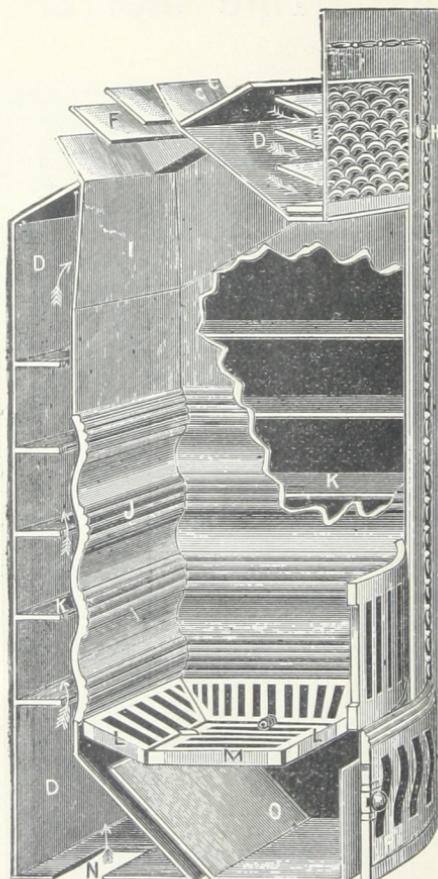
No. 334 — Berlin Black,	-	-	-	-	-	\$40.00
" 335 —Cast Brass, Antique Finish,	-	-	-	-	-	75.00
" 336 —Cast Bronze,	-	-	-	-	-	80.00
" 336A—Brass, Plated,	-	-	-	-	-	55.00
" 336B—Copper, Plated,	-	-	-	-	-	55.00

For heating two rooms, \$10.00 extra.

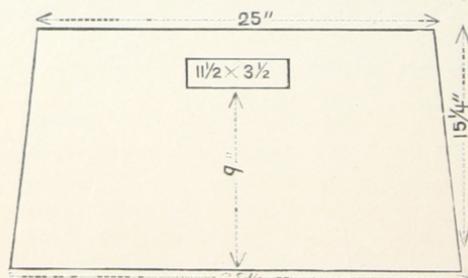
PURE AIR

VENTILATING GRATE,

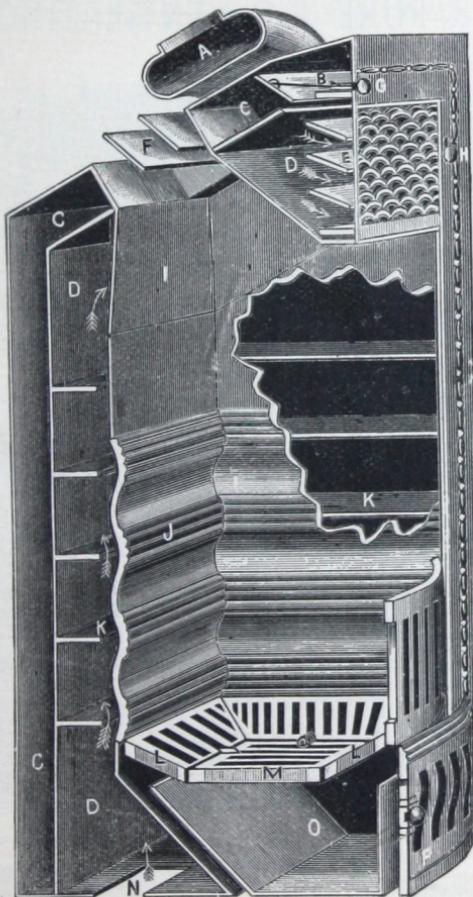
For Heating One Room.



(SECTION.)



PURE AIR VENTILATING GRATE.



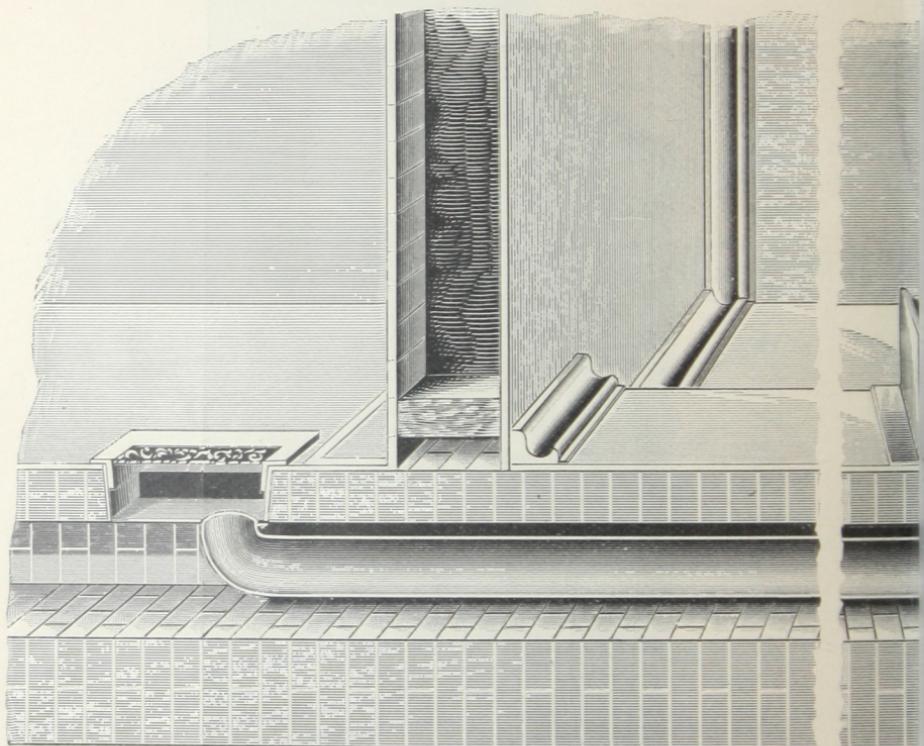
(SECTION)

A. Cast iron conductor, to connect pipe with chamber register.	I. Inner cast iron casing.
B. Cut-off valves, to force hot air all into lower room.	J. Heavy cast iron corrugated lining.
C. Hot air chamber (outer).	K. Shelves of hot air chamber, which check and force the air against the lining J.
D. Hot air chamber (inner).	L. Inclined outer grate.
E. Register valves.	M. Dumping bottom.
F. Damper valves, controlled by rod (not shown).	N. Cold air inlet.
G. Sliding handle to cut-off valves.	O. Ash pan.
H. Sliding handle to register valves.	P. Sliding front to ash guard.

FOR HEATING TWO ROOMS.

\$10.00 EXTRA.

MURDOCK PURE AIR VENTILATING GRATE.



NEWTON HIGHLANDS, MASS., May 13, 1891.

MURDOCK PARLOR GRATE CO.

Gentlemen—My only regret at the advancing of spring is that I must extinguish the fire from my Pure Air Ventilating Grate. I have kept it burning constantly since moving into my new house last winter, and have found it thoroughly satisfactory from every standpoint, thermal, hygienic and aesthetic. The room in which the grate stands is thoroughly heated, and also the room above, with a moderate consumption of fuel. We use Franklin Coal, and find no difficulty in keeping the fire over night. Its ventilating qualities are all that is claimed, and are simply invaluable.

Very truly yours,

DR. SAMUEL L. EATON.

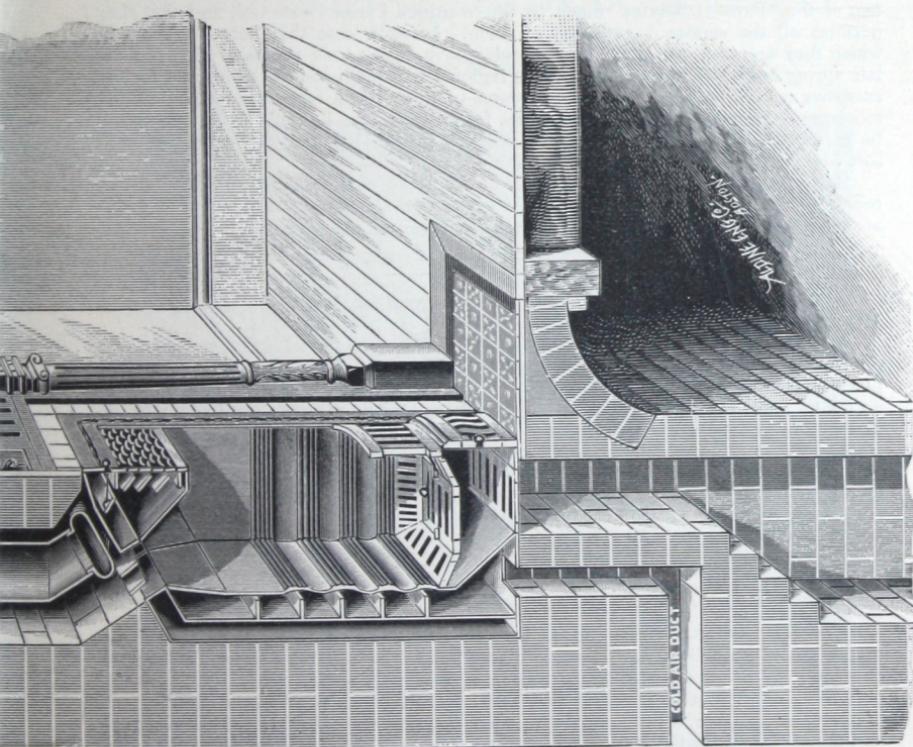
MR. SAMUEL SHAW,

Treas. Murdock Parlor Grate Co., 18 Beacon St., Boston.

Dear Sir—I wish to express to you my entire satisfaction with the grate that you set in my house at Newton Highlands a year ago. It not only heats the sitting-room wherein it is built and gives us an absolutely pure air, but we can at pleasure turn the heat into the parlor adjoining. We use the Franklin coal and never have had any

BOSTON, May 1, 1891.

SHOWING CONSTRUCTION FOR SETTING.



difficulty in keeping a good, steady fire for weeks at a time, even in the coldest weather. Thanking you for bringing it to my attention, I am,

Yours truly,
H. W. TAYLOR.
Investment Securities, 53 State Street (Exchange Building).

BRADFORD, MASS., Mar. 24, 1890.

MURDOCK PARLOR GRATE CO.

Gentlemen—It gives me great pleasure to add my testimony to the merits of the "Murdock Pure Air Ventilating Grate." It really does all that it claims to do. It is the best grate I have ever known, and I only hear words of praise from all who are using them.

Sincerely yours,

CHAS. E. WOOD.

WORCESTER, April 10, 1891.

MURDOCK PARLOR GRATE CO.

Gentlemen—Pardon me for overlooking yours of March 19, which in press of business got laid aside. What little we have used the Pure Air Grate promises entire satisfaction.

Yours very truly,

EDWARD K. HILL.

1318 MASS. AVE., WASHINGTON, D. C., Mar. 20, 1890.

MR. J. H. CORNING, Washington, D. C.

My Dear Sir—In reply to your letter of Mar. 11, I have to state that I am using two of the "Pure Air Grates" made by the Murdock Parlor Grate Co., and that they perform all the service I expected of them. In each case they heat the room in which they are, and two rooms immediately above, making six rooms in all. For the late spring and early fall weather of this region I find them just the thing, but for the excessive cold of winter I use another source of heat. If a free-burning coal of not too great a degree of hardness is used, as, for example, the Lyken's Valley, there will be no difficulty in keeping a cheery as well as heat-giving fire. Of course wood or soft coal will burn well in them and give a cheerful blaze.

For introducing warmed fresh air (taken from the outside of the house) into the rooms above and for general purposes of ventilation on the floors where the grates are placed, and, indeed, throughout the house, they are unsurpassed.

Very truly yours,

J. STANLEY BROWN.

HILLSIDE STREET, ROMBURY, MASS., March 11, 1890.

MURDOCK PARLOR GRATE CO.

Gentlemen—I very willingly write to give you my opinion of the new grate you put in for me last summer, since it is entirely favorable. The room in which it is placed has heretofore been the coldest chamber in the house, being almost uninhabitable in cold winter weather. With the thermometer at zero, we have now no difficulty in maintaining a temperature of 70°, F., in the room, and the air is always fresh. Burning Franklin coal, as we do, the fire needs surprisingly little attention. We find also no difficulty in keeping up a low fire when required—a great advantage. Our grate has been admired by all who have seen it, for its practical advantages. I consider it comes up to your description in every respect.

Very truly yours,

H. B. WARREN.

ALTAMONT, N. Y., June 19, 1891.

MURDOCK PARLOR GRATE CO.

Gentlemen—One year ago I put in your Pure Air Ventilating Grate, and to say that I am pleased with it, is putting it very mild. As a grate, it is one of the most cheerful, as a heater, second to none, in a sanitary sense, one of the most important aids to the maintaining of health and happiness in a home. In cold, damp, disagreeable weather, a little wood fire adds not only its cheerfulness, but warming and tempering the pure air from out of doors, expelling the dampness from the rooms and supplying in its place a warm pure air that is dry and of incalculable benefit to rheumatic and throat difficulties.

J. F. BARTON, M. D.

BOSTON, March 20, 1891.

THE MURDOCK PARLOR GRATE CO.

Gentlemen—In reply to yours of the 19th inst., asking how I was pleased with the working of the "Pure Air Grates," I am pleased to say that they are exceedingly satisfactory. We use Franklin coal and have no difficulty in maintaining the proper temperature in the rooms, and the air is always fresh and agreeable. For the combined purposes of heat and ventilation, I think they are unequalled, and I am very glad to give you my judgment in regard to them. They only need to be tried to be highly appreciated.

Yours very truly,

EDW. E. COLE,
Of Shepard, Norwell & Co.

SOUTH FRAMINGHAM, May 12, 1891.

MURDOCK PARLOR GRATE CO.

Gentlemen—I have used one of your Pure Air Grates in my sitting room and in the chamber above. I find that it gives excellent satisfaction. I am particularly pleased with the amount of heat carried into the upper room.

Yours very truly,

JOHN M. MERRIAM.
Counsellor, 53 State St., Boston

ENGLISH HOODED GRATE.

IMPROVED.

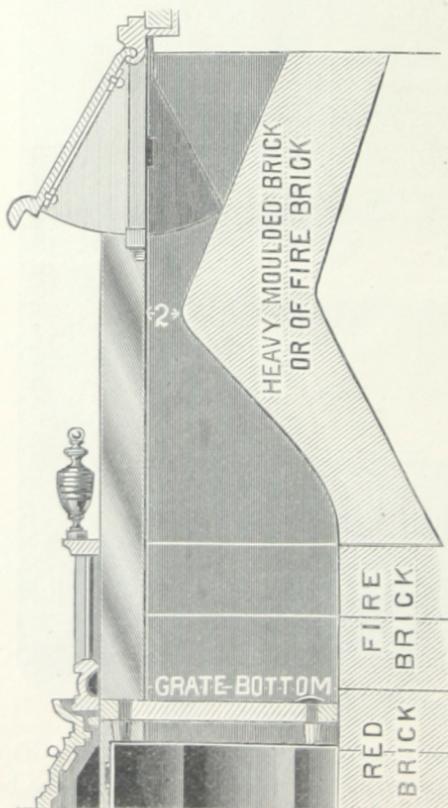


This cut represents one of the modern English Fuel Economizing Grates, improved by the Murdock Parlor Grate Co. It is unquestionably the best cheap common grate in use.

No. 650—	Made only for Fire Brick Lining,	-	-	\$17.00
	Copper, Brass or Nickel Plated, Extra,	-	-	12.00
" 651—	With Heavy Moulded Brick Lining,	-	-	20.00
	With Fire-Brick Lining,	-	-	16.00
	Nickel, Copper or Brass Plated, Extra,	-	-	10.00
" 652 }	Each with Special Heavy Moulded Brick Lining,	-	-	18.00
" 653 }	With Fire-Brick Lining,	-	-	15.00
" 654 }	Extra for Nickel, Copper and Brass Plating,	-	-	10.00
	Renaissance Tile Facing, as shown, around Grate, (17—6x6 Tile.)			6.80

English Hooded Grate.

SECTION OF GRATE SHOWING POSITION OF LINING.



In using all fire-brick for lining, carry the back to within two inches of the point indicated below the hood.

The narrow throat below the adjustable hood will account for the reflecting and heating power of the grate.

No.	Width,	Height.	Fire Opening.
650	30 $\frac{1}{2}$ inches	x 30 $\frac{1}{2}$ inches.	28 inches.
651	27 $\frac{1}{2}$ "	x 30 $\frac{1}{2}$ "	25 "
652	24 $\frac{1}{2}$ "	x 30 $\frac{1}{2}$ "	22 "
653	21 $\frac{1}{2}$ "	x 30 $\frac{1}{2}$ "	19 "
654	18 $\frac{1}{2}$ "	x 30 $\frac{1}{2}$ "	15 $\frac{3}{4}$ "

NET TRADE PRICE LIST.

ANDIRONS.

No. 660,	5.00
" 661,	4.50
" 662,	4.50
" 663,	2.25
" 664,	2.75
" 665,	3.25

FENDERS

No. 666,	4.50
" 667,	4.50
" 668,	4.50

IRON FIREPLACES.

No. 669,	4.00
" 669A,	
" 669B,	
" 669C,	5.50
" 670,	
" 670A,	4.00
" 670B,	
" 670C,	5.50
" 671,	
" 671A,	4.00
" 671B,	
" 671C,	5.50

FRENCH FOLDING SCREENS.

No. 361. Dark Bronze, 4 fold,	1.62
" 361. " " 5 "	2.03
" 362. French Bronze, 4 fold,	2.00
" 362. " " 5 "	2.50
" 363. Brass,	4.00
" 363. " " 5 "	5.00

Packing and Cartage, Extra Charge.

MURDOCK PARLOR GRATE CO.

18 Beacon Street, BOSTON.

THE BRIDGE STATE

THE BRIDGE STATE CO.

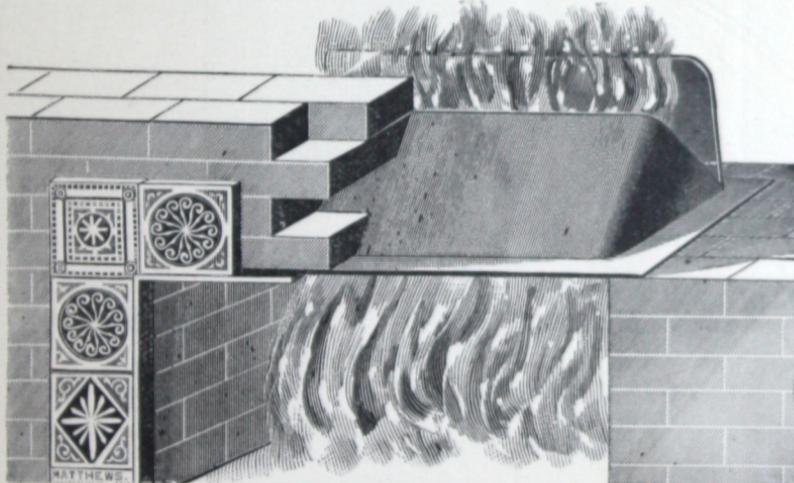
THE BRIDGE STATE CO.

THE MURDOCK PERFECT FIREPLACE THROAT

WITH RATCHET DAMPER.

PATENTED SEPT. 26, 1888.

Thousands have been sold, and in all instances have proved a perfect success.



(THROAT IN POSITION.)

Dimensions of No. 475: front, $26\frac{1}{2}$ inches; back, $19\frac{1}{4}$ inches; depth, $15\frac{1}{4}$ inches.

Damper opening, $13\frac{1}{4} \times 7\frac{1}{2}$ inches, suitable for brick openings from 21 to 25 ins.

Dimensions of No. 476: front, $31\frac{1}{2}$ inches; back, 25 inches; depth, $15\frac{1}{4}$ inches

Damper opening, $19\frac{1}{2} \times 7\frac{1}{2}$ inches, suitable for brick openings from 25 to 30 ins.

Dimensions of No. 477: front, 38 inches; back, 30 inches; depth, $16\frac{3}{4}$ inches.

Damper opening, 25x8 inches, suitable for brick openings from 30 to 36 inches.

Dimensions of No. 478: front, 44 inches; back, 36 inches; depth, 17 inches.

Damper opening, 31x8 inches, suitable for brick openings from 36 to 42 inches.

Dimensions of No. 479: front, $50\frac{1}{2}$ inches; back, 43 inches; depth, $16\frac{1}{4}$ inches.

Damper opening, $37\frac{1}{2} \times 7\frac{3}{4}$ inches, suitable for brick openings from 42 to 48 ins.

Dimensions of No. 480: front, 57 inches; back, 49 inches; depth, $16\frac{1}{2}$ inches.

Damper opening, $44 \times 7\frac{3}{4}$ inches, suitable for brick openings 48 to 55 inches.

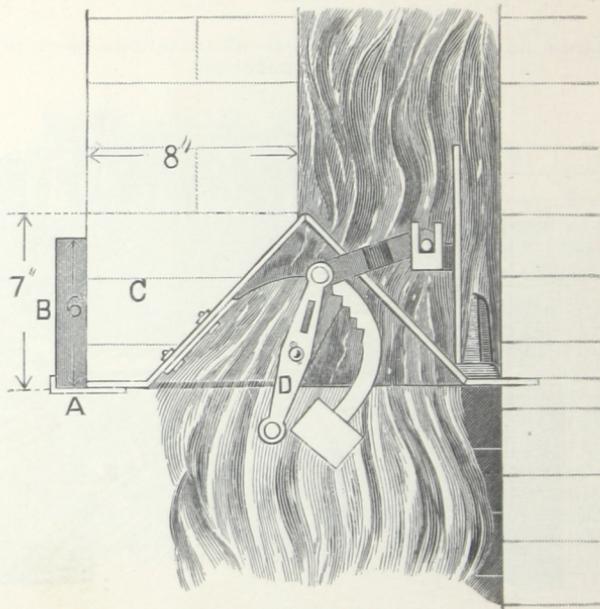
Dimensions of No. 481: front, 65 inches; back $57\frac{1}{4}$ inches; depth, $16\frac{1}{2}$ inches.

Damper opening, $52 \times 7\frac{3}{4}$ inches, suitable for brick openings from 55 to 63 ins.

PRICES.

No. 475.	$26^{\prime \prime}$ inches,	-	\$3.00	No. 479.	$50\frac{1}{2}$ inches,	-	\$7.00
" 476.	$31\frac{1}{2}$ "	-	3.00	" 480.	57 "	-	8.00
" 477.	38 "	-	4.00	" 481.	65 "	-	10.00
" 478.	44 "	-	6.00				

Sectional View.



SECTION SHOWING POSITION OF THROAT AND DAMPER.

- A. Brass for holding tile.
- B. Tile.
- C. Brick heading.
- D. Handle to ratchet operating damper.

Height to top of damper, in all sizes, 7 inches.

This throat prevents smoky fireplaces, insures perfect draught, and any mason can set them.

The shell is cast in one piece, giving additional protection against fire, in case the chimney is cracked (as often happens) in settling.

The damper is hung with a ratchet, is easily operated with a poker, and can readily be detached and removed, in case chimney requires cleaning.

The iron covering bar (where this throat is used) is dispensed with, the flange and front of throat forming an angle, making a bar much stronger than the heaviest covering bar ordinarily used.

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